

CERAMIC HONEYCOMB STRUCTURAL BODY
AND METHODS OF PREPARING THE SAME

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ABSTRACT OF THE DISCLOSURE

10 The present invention provides a ceramic honeycomb
structural body, and method for preparing the same, which
can satisfactorily support a catalyst and can demonstrate
superior mechanical strength, even if far thinner walls
are used. Said structural body comprises lattice walls
15 formed by a large number of cells 10 which are channels
for a fluid and a peripheral wall 12 which covers at
least the circumference of said lattice walls 11.

20 The outer peripheral portion 112 of said lattice
walls 11 located in the vicinity of said peripheral
wall 12 (area B) contain a densified portion of smaller
porosity than that of an inner peripheral portion 111, of
said lattice walls 11, which is located inside said outer
peripheral portion 112 (area A).